

**CURRICULUM VITAE****PART I: General Information Date Prepared: October 1st, 2004****Name:** Mark C. Poznansky**Office Address:** AIDS Research Center, Massachusetts General Hospital (East)  
Building 149 13<sup>th</sup> St., Room 6616, Charlestown, MA 02129**Home Address:** 16 Monument Square, Charlestown, MA 02129**E-Mail:** mpoznsky@partners.org **Tel:** 617-724-6375 **Fax:** 509-277-3024**Education:**

1982-1983	B.Sc., (Hons) Pathology, Edinburgh University Medical School, UK
1979-1985	M.D., Edinburgh University Medical School, UK
1986-1989	Ph.D., Medical Sciences, Cambridge University, UK

**Postdoctoral Training:**

1985-1986	Intern, Medicine and Surgery, Royal Infirmary, Edinburgh, UK
1986-1989	Resident, Clinical Immunology, Addenbrooke's Hospital, Cambridge, UK
1989-1992	Research Fellow, Division of Human Retrovirology, Dana Farber Cancer Institute, Boston MA 02115
1992-1994	Resident, Internal Medicine Residency Program, St. Mary's Hospital, Imperial College and Central Middlesex Hospital, London, UK
1994-1995	Research Fellow, Dept. of Genito-Urinary Medicine and Communicable Diseases, Imperial College of Medicine, London, UK
1994-1995	Clinical Fellow in Genito-Urinary Medicine and Infectious Diseases St Mary's Hospital, Imperial College, London, UK
1996-1998	Clinical Fellow, Infectious Diseases, Longwood Program, Brigham and Women's Hospital and DFCI, Harvard Medical School, Boston, MA
1997-1998	Research Fellow, AIDS Research Center and Cancer Center, Massachusetts General Hospital, Harvard Medical School, Boston

**Licensure and Certification:**

1996	Educational Commission for Foreign Medical Graduates (indefinite)
1996	Board Certified (UK) Membership of the Royal College of Physicians, U.K.
1996-1998	Steps 1, 2 and 3 passed USMLE exams - top 10%.
1998-present	Full Massachusetts Medical License

**Academic Appointments:**

1995 - 1996	Lecturer, Dept of Genito-Urinary Medicine and Communicable Diseases, Imperial College of Medicine, London, UK
1998 - 2002	Instructor in Medicine, Harvard Medical School, Boston MA AIDS Research Center and Cancer Center, Massachusetts General Hospital,
2002 - present	Assistant Professor in Medicine, Harvard Medical School, Boston MA AIDS Research Center and Cancer Center, Massachusetts General Hospital,

**Hospital or Affiliated Institution Appointments:**

1994-1996	Staff Grade Physician: Emergency Medicine, St Mary's Hospital, London.
1996-1998	Staff Grade Physician: Dept. of Genito-Urinary Medicine and Communicable Diseases, St. Mary's Hospital, London UK.
1998-present	Attending Physician; Infectious Disease Medicine consult service Dana-Farber Cancer Institute and Brigham and Women's Hospital, Boston, MA
2000-present	Assistant in Medicine. Attending Physician; Infectious Diseases Medicine consult service, Massachusetts General Hospital, Boston MA

**Other Professional Positions:**

1986- present	Fellow, Clare College, Cambridge University, U.K.
1987-1990	Captain, Royal Army Medical Corps (V), The British Army
1995-1996	Governor's Lecturer, Imperial College of Science, Technology and Medicine, London, UK
1995 - 2000:	Cobra Therapeutics, Keele, UK. Consultant on retroviral vector design.
1997 - present:	Cytomatrix, Cambridge, USA. Consultant on in vitro T-lymphopoiesis systems.
1998 - 2000:	Chiron, CA, USA. Preceptorship for scientific training program

**Professional Societies:**

1996-present	Member, Royal College of Physicians of the United Kingdom, Board of Internal Medicine, UK
1998-2000	American Medical Association, member
2000-present	Fellow, Royal College of Physicians of the United Kingdom, Board of Internal Medicine, Edinburgh, UK

**Editorial Boards / Article Reviews:**

1995-2000	Article Review Board:	<i>Gene Therapy</i>
1994-1996	Article Review Board:	<i>British Medical Journal</i>
2000-present	Article Review Board	<i>Journal of Clinical Oncology</i>
2000- present	Editorial Board:	<i>e-biomed</i>
2003	Article Review Board	<i>Journal of Leukocyte Biology</i>
2003	Article Review Board	<i>Clinical Cancer Research</i>

**Awards and Honors:**

1979	Scholarship to study at the Weizmann Institute Science School, Israel
1981	Distinction in Pathology (M.D. examination)
1983	Victor-Wallace Travel Scholarship from Edinburgh University
1983	First Class - BSc (hons) degree in Pathology, Edinburgh University
1983	Cappell Award for Original Research Work at Edinburgh University
1984	Gunning Prize for Original Research Work at Edinburgh University
1986-1989	Medical Research Council Training Fellowship at Cambridge University
1986-1989	Harrison-Watson Fellowship at Clare College, Cambridge University
1989-1990	Medical Research Council Travel Fellowship to United States
1989-1991	Harkness Fellow at Harvard University: Commonwealth Fund of New York
1995-1996	Governor's Lecturer, Imperial College of Medicine, London , UK
2000	Fellow, Royal College of Physicians, UK

**Part II: Research, Teaching, and Clinical Contributions****A. Funding Information****Completed Funding**

1986-1989	MRC Training Fellowship The genetic basis of the human complement component polymorphisms	PI
1989	Harkness Fellowship(UK/Canada/Australia) Development of a HIV-based retroviral vector	PI
1990	MRC Travel Fellowship (UK) Development of a HIV-based retroviral vector	PI
1991	AMFAR Fellowship (USA) Development of a gene therapy for HIV disease	PI
1995	Therexsys (UK) Development of a gene therapy for HIV disease	PI
1997 – 2000	DARPA Immune cell-based countermeasures to biologic pathogens	Co-I
1998-present	Cytomatrix (MA) Development of in vitro T-lymphopoiesis systems	PI
1999-2000	AMFAR. Effects of HIV on T-lymphopoiesis	PI
2000 – 2001	NIH/NCI P50 (CA86355) Center for molecular imaging research	Co-I

**Current Funding**

2001 – 2006	NIH (RO1) Active movement of immune cells away from HIV-1 gp120 Investigation of the molecular mechanism of fugetaxis in immune cells	PI
2001 – 2004	NIH (R21) Movement of immune cells away from allograft Exploitation of the fugetactic response of T-cells to induce graft tolerance	PI
2003 – 2008	NIH (P41) The quantitation of leukocyte fugetaxis	Co-I
2004-2007	JDRF Engineering donor pancreatic $\beta$ -islets cells to repel recipient T-cells	PI
2004 - 2005	The Waterfall Foundation Support of junior minority scientists in the study of HIV/AIDS	PI

**Pending Funding**

2004- 2009 NIH (RO1) PI  
Active movement of neutrophils away from a chemokine

#### Mentorship on NIH Training Grants

2002 - AIDS Training Grant, Harvard Medical School Mentor  
2003 - Infectious Diseases Training Grant, HMS Mentor

#### C. Report of Current Research Activities

##### Research interests (1997 - 2004)

##### Laboratory

Active movement of leukocytes away from mammalian and viral chemokinetic agents: - PI  
Molecular mechanism and physiological and pathological relevance.

T-cell reconstitution in the HIV-1 infected individual - co-I

##### Clinical

Clinical presentations of HIV-related illness in the HAART era - co-I

#### D. Report of Teaching:

##### 1. Local contributions

##### a. Harvard Medical School Courses

2000 - present Preceptor on clinical training course for Harvard University  
MD, PhD program students.  
- 2 students per year. 1 hour prep time and 3 hour meeting time/week

HMS CURE Program: Preceptor on science training program

2001 - present - 1 underrepresented minority student per year  
- 1 hour prep time and 3 hour long meetings / week

MGH SRTP Program: Preceptor on science training program

2002 - present - 2 underrepresented minority student per year  
- 1 hour prep time and 3 hour long meetings / week

NIH AIDS Training Grant: Mentor

2002 - present - 1 postdoctoral fellow  
- 1 hour prep time and 2 hour long meetings / week

NIH AIDS Training Grant: Mentor

2003 - present - 1 postdoctoral fellow  
- 1 hour prep time and 2 hour long meetings / week

##### c. Graduate Medical Course/seminar/invited teaching presentations

1997 *Infectious Diseases Medicine Seminars*  
"Advances in the management of necrotising fasciitis"  
"The use of IL-1 receptor antagonist in the transplant recipient"  
"Impact of medical interventions on progression of HIV-infected patients to AIDS"  
"Development of a stem cell gene therapy for HIV infection"

- lecturer, 20 – 30 residents, ID Fellows and Attendings
  - 4 seminars per year, 2 hours preparation time
- 2000 *Harvard Medical School Immunology Seminar Series.*  
 Fugetaxis: the purposeful movement of T-cells away from a chemokine.
- 40 graduate, postgraduate and academic staff
  - 1 seminar per year. 2 hours preparation time.
- 2000 *Harvard Institutes of Medicine Seminar*  
 Fugetaxis: the active movement of immune cells away from a chemokinetic stimulus
- lecturer, 20 – 30 graduate, postgraduate and academic staff
  - 1 seminar. 2 hours preparation time.
- 2003 *Harvard University – Biomedical Science and Engineering Seminar*  
 Active movement of immune and inflammatory cells away from a chemokine
- lecturer, 20 – 30 graduate, postgraduate and academic staff
  - 1 seminar. 2 hours preparation time
- 2003 *Massachusetts General Hospital - AIDS Research Center Seminar*
- lecturer, 20 – 30 graduate, postgraduate and academic staff
  - 1 seminar; 3 hours preparation
- 2004 *Harvard Medical School - Cancer Immunology seminar*  
 Fugetaxis: a novel mechanism contributing to immune evasion by SDF-1 secreting tumors
- lecturer, 20 – 30 graduate, postgraduate and academic staff
  - 1 seminar; 3 hours preparation

d. Continuing Medical Education Course

- 1998- Post Graduate Course.  
 Clinical Rounds - Infectious Diseases of Adults  
 Harvard Medical School, Massachusetts General Hospital  
 - 2 meetings per week for 2 months, 1 hour prep time, 1 hour meeting time  
 - 10 – 20 residents, fellows and attending physicians
- 2001- Post Graduate Course  
 Clinical Rounds; Fever of Unknown Origin  
 Harvard Medical School, Brigham and Womens Hospital  
 - 1 meeting, 2 hour prep time, 1 hour meeting time  
 - 50 interns and residents
- 2003- Resident Rounds  
 A patient with pulmonary aspergillosis: diagnosis and management  
 - 1 meeting, 2 hour prep time, 1 hour meeting  
 - 50 interns and residents

e. Advisory and supervisory responsibilities in clinical or laboratory setting

- 1994- 1996 Supervision of laboratory based research program "Development of stem cell gene therapy for HIV-infection."  
St. Mary's Hospital, Imperial College, London UK  
- one post doctoral fellow, one PhD student, one research associate and three BSc(Hons) students.
- 1994-1996 Supervision of clinical research program "Presentations of HIV-related illness in the ER." and "Seroprevalence of HIV-1 infection in patients attending the ER".  
In collaboration with Mr R Touquet and Dr J Fothergill  
Dept. of Emergency Medicine, St. Mary's Hospital, Imperial College, London UK  
- 8 residents and 2 clinical fellows
- 1994-1996 Supervision of project "Clinical characterization and prognosis of patients presenting with an AIDS defining illness coincident with their first positive HIV test."  
In collaboration with Dr R Coker  
Dept. of G-U Medicine, St. Mary's Hospital, Imperial College, London UK  
- 4 residents and 2 clinical fellows
- 1994-present Supervision and consultancy on "Development of a Gene Therapy for the Treatment of Cardiac Failure."  
In collaboration with Prof. Magdi Yacoub, Chief, Dept. of Cardiothoracic Surgery, National Heart and Lung Inst., London UK.  
- 2 BSc. students and 2 postdoctoral fellows
- 1994- 1999 PhD student supervisor and supervision of laboratory based research program and "Development of stem cell gene therapy for HIV-infection." St. Mary's Hospital, Imperial College, London UK  
- one post doctoral fellow, one PhD student, one research associate and three BSc(Hons) students.  
- PhD student: Dr Gregor Adams – graduated June 1999
- 1997-1999 Collaboration and design of substudies for ongoing Phase 1 clinical trials of a gene therapy for the treatment of HIV infection.  
Supervised by Profs. D.Scadden and B.Walker at the AIDS Research Center, MGH(East) and the biotechnology company SyStemix.
- 1997- 1999 Supervision of work on "The development of a stem cell gene therapy for HIV infection".  
In collaboration with Prof. David Scadden and Dr Wayne Marasco  
AIDS Research Center, MGH (East) and Div of Human Retrovirology, Dana Farber Cancer Institute, Boston, MA .  
- 1 research fellows, 2 research associates and 1 BSc student
- 1997-2000 Supervision of clinical research project "The changing face of hospital admissions for patients with AIDS in the era of highly active anti-retroviral drug therapy."  
In collaboration with Dr. Tamar Barlam, Attending Physician, Beth Israel Hospital, Boston, MA, USA  
- one medical student and one resident

- 1997-2003 Supervision and consultancy on "Development of a Gene Therapy for the treatment of Breast Cancer".  
In collaboration with Prof. Donald Kufe and Dr. David Avigan  
Dept. of Heme/Oncology, Dana Farber Cancer Inst., Boston, MA  
1 PhD student and one research associate
- 1997- 2003 Supervision of work on "The development of a stem cell gene therapy for HIV infection".  
In collaboration with Prof. David Scadden and Dr Wayne Marasco  
AIDS Research Center, MGH (East) and Divn of Human Retrovirology,  
Dana Farber Cancer Institute, Boston, MA .  
- 1 research fellows, 2 research associates and 1 BSc student
- 1997- Present Supervision of work on "The development of in vitro and in vivo systems for human T-cell genesis"  
In collaboration with Prof. David Scadden at the AIDS Research Center, MGH(East), Boston MA. and the biotechnology company, Cytomatrix.  
- 1 clinical fellow, 2 research associates and 2 BSc students
- 1998- Present Supervision of work on Fugotaxis: the active movement of immune and inflammatory cells away from a chemokine.  
MGH AIDS Research Center and MGH Cancer Center, Boston MA  
- 3 research associates, 4 BSc grade students, 3 postdoctoral fellows.

## f. Teaching leadership role – courses

- 1998- Present MGH Virology seminar series. Invited scientists from the USA and UK. 1 speaker per week. 45 scheduled speakers to date.

## g. Name of advisees or trainees – under supervision in current position

1995 – present	Dr. Gregor Adams	Postdoctoral Research Fellow
1994 - 1996	Dr. Reida El Oakley	Clinical Research Fellow
1998 – 2000	Dr. Richard Evans	Postdoctoral Research Fellow
1999 – 2000	Dr. Kenneth Cohen	Clinical Research Fellow
1999 - 2000	Dr. Aisha Sedeek	MSc Student
1999 - 2000	Ms. Kelly Deegan	BSc Student
2000 - 2001	Dr. Ying Li	Postdoctoral Research Fellow
2001- 2003	Ms. Elva Granado	MSc Student - Technician
2001- 2003	Ms. Dahlia Doughty	MSc Student – Technician
2001- 2004	Mr. William G. Tharp	MSc Student - Technician
2001 - 2003	Ms. Rachel Rutishauser	Harvard University BSc Student
2001 - 2003	Mr. Pavan Bachireddy	Harvard University BSc Student
2002	Mr. James Smith	Cambridge University Medical Student
2002	Ms. Emma Anderton	Cambridge University Medical Student
2002	Mr Jose Alberty	Harvard University, SRTP program
2002- 2003	Mr. Evin Howard	CURE Program, DFCI
2002 - 2004	Dr. Diana Brainard	Harvard University Research Fellow
2002 -	Dr. Natalia Papeta	Harvard University Research Fellow
2002-	Dr. Fabrizio Vianello	Padua University, Italy
2003	Mr. Alan Karthesingham	Cambridge University Medical Student
2003	Mr. Mario Castellanos	SRTP Student, MGH

MGH

Fellow	2003- 2004	Dr. Athe Tsibris	Harvard University Research
	2004	Mr. Robert Lemos	SRTP Student, MGH
	2004	Ms. YingTing Mok	Cambridge University Medical Student
	2004-	Dr. Tao Chen	Harvard Medical School Research Fellow

2. Regional, national, or international contributions

a. Invited presentations:

- 1984 *Royal Society of Medicine : London.*  
 "Corticosteroid Resistance in Asthma."  
*British Society for Immunologists Symposium: London.*  
 "The Cellular Mechanism of Steroid Resistant Asthma."
- 1988 *Complement in Human Disease Conference: Bari, Italy.*  
 "The difference between C3f and C3s lies in the C3dg region."
- 1990 *Cold Spring Harbor Conference on RNA Viruses: Cold Spring Harbor, U.S.A.* "The design of a minimal HIV-1 vector."
- 1991 *VIIth International Conference on AIDS: Florence, Italy.*  
 "The design of an HIV-1 based retroviral vector."
- 1994 *William Harvey Conference on Genetics in Human Disease: London.*  
 "Progress towards a gene therapy for the treatment of HIV infection."  
*XIth International Conference on AIDS: Tokyo, Japan.*  
 "First HIV diagnosis coincident with AIDS: presentation and survival."
- 1995 *Royal Society of Medicine Conference on Advances in Emergency London*  
 "HIV and Accident and Emergency Medicine."  
 Invited Lecturer at Lodz Medical School, Poland.  
 "The Clinical Presentations of HIV and AIDS and the use of Gene Therapy."
- 1995 Grand Rounds, St Mary's Hospital Medical School, London, UK  
 HIV-related disease in the ER.
- 1996 Grand Rounds, St Mary's Hospital Medical School, London, UK  
 Changing presentations of HIV-related disease.
- 1996 *XIth International Conference on AIDS: Vancouver, Canada.*  
 "Intracellular antibodies against tat and gp120 as potent anti-HIV agents."  
 "The presentation of patients with AIDS defining illnesses in the ED."  
 "Cellular distribution of HIV-1 in cervical smear, endocervical brush and cervical biopsy specimens."  
 "A prospective clinical study of patients presenting with an AIDS diagnosis whilst unaware of their HIV serostatus."
- 1997 *Keystone Conference: Developments in Stem Cell Gene Therapy*  
 "The preparation and transduction of CD34+ progenitor cells from small quantities of unmobilised peripheral blood from HIV infected individuals."  
*Vth International Cardiac Surgical Conference, London, UK*  
 "The application of gene therapy to the treatment of cardiological diseases."



- 1998 *American Society of Hematology Fortieth Annual Meeting.*  
Hematopoiesis in the developing human: comparative immunophenotype, growth potential and chemotactic responses and function of aCD34<sup>+</sup> cells derived from multiple hematopoietic tissues.  
*Infectious Disease/Clinical Immunology Series, University College London, "The development of a gene therapy for HIV infection".*  
*Gene Therapy Lecture Series, Imperial College, London.*  
"The development of gene therapy for the treatment of cardiac failure".
- 1999 *American Society of Hematology 41<sup>st</sup> Annual Meeting.*  
Fugetaxis: the purposeful movement of T-cells away from a chemokine. –oral presentation.
- 2000 *British Health Education Authority: Theory and action for health*  
London, UK. Management of HIV-disease in the 21<sup>st</sup> century.
- 2000 *American Society of Hematology 42nd Annual Meeting.*  
T-cell emigration from the thymus is the result of fugetaxis in response to stromal chemokinetic agents including SDF-1 – oral presentation
- 2000 *Medical Research Seminar – University of Massachusetts*  
Physiological and pathological implications of the active movement of immune cells away from a chemokinetic stimulus
- 2001 *AIDS Research Center Seminar*  
Fugetaxis: active movement of immune cells away from a chemokinetic stimulus
- 2001 *Center For AIDS Research*  
Active movement of CD8<sup>+</sup> T-cells away from HIV-1 gp120: implications for HIV-1 pathogenesis
- 2001 *Harvard Institutes of Medicine*  
Bidirectional T-cell movement: implications for physiological and pathological processes.  
- guest speaker
- 2001 *National Youth Leadership Forum*  
Health care leadership in infectious diseases medicine and science  
- guest speaker
- 2002 *Harvard School of Public Health: Forum on HIV/AIDS*  
International forum on HIV/AIDS in China  
- guest speaker
- 2002 *Imperial College, London, U.K.*  
Bidirectional T-cell movement: physiological and pathological implications  
- guest speaker

- 2002 *Cambridge University Medical School, London, U.K.*  
Fugetaxis: physiological and pathological implications of active movement of immune cells away from a chemokine  
- guest speaker
- 2003 *Keystone Conference - The biology of chemokines*  
Differential expression of genes encoding signal transduction molecules in T-cells exposed to gradients of SDF-1  
- guest speaker
- 2003 *International Conference - Retroviruses and opportunistic infections,*  
Movement of CTLs away from HIV-gp120: a novel mechanism of immune evasion. (oral presentation by postdoctoral fellow in lab)
- 2003 *International Meeting - Management of HIV-1 infection - Shanghai*  
Invitee - 2 lectures on advances in HIV-1 diagnostics
- 2003 *Emory University Medical School, Atlanta*  
Guest speaker: Fugetaxis - active movement of immune cells away from a chemokine
- 2004 Padua University Medical School, Italy  
Guest Speaker: Fugetaxis - active movement of leukocytes away from a chemokine in vitro and in vivo
- 2004 Imperial College, London  
Guest Speaker: Fugetaxis / Chemorepulsion - physiological and pathological implications

b. Professional leadership role related to teaching:

**Laboratory Research Supervision**

- 1995 International Conference Organisation: Ciba Foundation, London, UK  
"Advancing a new agenda for AIDS Research".  
30 speakers - including David Ho, Bruce Walker, Joseph Sodroski, Norman Letvin, Jonathan Mann and Wayne Marasco.
- 1997 - 1998 Infectious Diseases Medicine - Brigham and Women's Hospital and Beth Israel Hospital ; Supervise Residents (n = 8) Bedside Teaching
- 1997- present Experimental Hematology, AIDS Research Center, MGH  
Supervise and train undergraduate BSc students (n=5)
- 2002- Training of minority candidates in laboratory science  
- direct involvement in both MGH and DFCI lead programs  
3 meetings per week, 3 students per summer
- 2002- MGH/Cambridge University studentship - laboratory science and clinical medicine  
- established program in collaboration with MGH and University of Cambridge Dept. Of Medicine.  
3 meetings per week. 2 students per year

2004- MGH/Padua University Medical School fellowship/studentship  
 - Lab science and clinical medicine  
 - established program of collaboration with 1 Paduan postdoctoral fellow  
 per 2 years and one medical student per year.

#### Clinical Research Supervision

1986-1989 Churchill College, Cambridge University, UK  
 Supervisor in Pathology  
 -10 Medical Students and science majors/yr

1992-1996 St. Mary's Hospital Medical Imperial College, London UK  
 Bedside teaching for undergraduates and professional medical staff  
 Clinical Teacher  
 - 30 medical students / year  
 Formal lectures on management of HIV-related diseases

1998 – 2000 Infectious Diseases Medicine – Brigham and Women's Hospital  
 and Dana Farber Cancer Institute  
 Supervise and train Fellows ( n = 6) Bedside teaching

2000 – present Infectious Diseases Medicine – MGH  
 Supervise and train Fellows ( n = 6) Bedside teaching

#### E. Report of Clinical Activities:

1. Infectious Diseases Medicine,  
 Attending Physician - Massachusetts General Hospital.  
 Transplant Infectious Diseases  
 - 4 Outpatient clinic / 2 months  
 - 2 months consult service : Patient Load - 10 patients/week - high level care/consultation  
 Management of infectious disease complications of acquired and inherited immune  
 deficiency states including post-transplantation and hematological diseases.  
 - 3 weeks: general ID consult service – 15 patients/week – high level care/consultation on  
 patients with Infectious Diseases.

#### Part III. Bibliography:

##### Original Articles

1. To A, Poznansky MC, Boyo EH, Coleman DV. Chromosomal abnormalities in the ascitic fluid from patients with alcoholic cirrhosis. *BMJ* 1981;282:1659-1660.
2. Watts K, Poznansky MC, Boyo EH, Coleman DV. Chromosome studies of cells cultured from serous effusions: use in routine cytological practice. *Acta Cytol.* 1983;23:138-144.
3. Poznansky MC, Gordon ACH, Douglas JG, Krajewski AS, Wyllie AH, Grant LWB. Resistance to methylprednisolone by cultures of blood mononuclear cells from glucocorticoid resistant asthmatic patients. *Clin Sci (Lond)* 1984;67:639-645.

4. **Poznansky MC, Gordon ACH, Grant IWB, Wyllie AH.** A cellular abnormality in glucocorticoid resistant asthma. *Clin Exp Immunol.* 1985;61:135-142.
5. **Gruber B, Poznansky MC, Boss E, Partin J, Goreviov P, Kaplan AP.** Characterization and functional studies of rheumatoid synovial mast cells: Activation by secretagogues, anti-IgE and a Histamine releasing lymphokine. *Arthritis Rheum* 1986;29:944-955.
6. **Poznausky MC, Clissold PM, Lachmann PJ.** The difference between human C3F and C3S results from a single amino acid change from an asparagine to an aspartate residue at position 1216 on the alpha chain of the complement component C3. *J Immunol.* 1989;143:1254-1258.
7. **Poznansky MC, Clissold PM, Lachmann PJ.** The difference between human C3F and C3S results from a single amino acid change from an asparagine to an aspartate residue at position 1216 on the alpha chain of the complement component C3. *J Immunol.* 1989;143:3860-3862. (letter)
8. **Poznansky MC, Lever A, Bergeron LB, Haseltine WA, Sodroski J.** Gene transfer into human lymphocytes by a defective human immunodeficiency virus type I. *J Virol.* 1991;65:532-536.
9. **Poznansky MC, Walker B, Haseltine WA, Sodroski J, Langhoff E.** A rapid method for quantitating the frequency of peripheral blood cells containing HIV-1 DNA. *J.Acquir Immune Defic Syndr.* 1991;368-373.
10. **Langhoff E, Terwilliger E, Bos H, Kalland K, Poznansky MC, Bacon O, Haseltine WA.** Replication of HIV-1 in primary dendritic cell cultures. *Proc Natl Acad Sci USA* 1991;88:7998-8002.
11. **Poznansky MC, Torkington J, Turner G, Parry JV, Connell JA, Touquet R, Weber J.** Prevalence of HIV infection in patients attending an inner city accident and emergency department. *BMJ* 1994;308:3601.
12. **Coker RJ, Desmond N, Poznansky MC, Smith C, Bell D, Riordan JF, Murphy S.** Experience of HIV disease in a London district general hospital. *Int J STD & AIDS.* 1995;5:47-49.
13. **Poznansky MC, Coker R, Skimmer C, Bailey S, Hill A, Whitaker L, Renton A, Weber J.** First HIV positive diagnosis coincident with AIDS. *BMJ* 1995;311:156-158.
14. **Poznansky MC, Weber J, Fothergill J, and Touquet R.** The rising seroprevalence of HIV-1 infection in patients attending an inner city accident and emergency department. *J Accid Emerg Med* 1996;13:424-425.
15. **Coker RJ and Poznansky MC.** Physicians' experience and survival in patients with AIDS. *N Engl J Med.* 1996;335:350-351.
16. **Landau R, Coker R, Touquet R, Fothergill J, Poznansky MC** Patients unaware of their HIV status present to an inner-city accident and emergency department with respiratory complications. *J Accid Emerg Med.* 1997;14:304-305.
17. **Coker R, Poznansky MC.** Survival and treatment of AIDS patients. *Genitourin Med.* 1997;73:148 (letter; comment).

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20. Adams, G. B., McMullen, M., Turner, S., Olszak, I. T., Scadden, D. T., McClure, M. O. Poznansky, MC. Isolation and transduction of CD34<sup>+</sup> cells from small quantities of peripheral blood from HIV-1-infected patients untreated with haemopoietic growth factors. *J. Acquir Immune Defic Syndr.* 1999. 1;21(1):1-8.
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23. Poznansky MC, Olszak IT, Evans RH, Olson D, Kos C, Pollak MR, Brown EM and Scadden DT. Ionic calcium is a chemokinetic agent for human monocytes in vitro and in vivo. *J. Clin. Invest.* 2000; 105: 1299-1305
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**Books, Monographs and Textbooks:**

1. **Poznansky MC, Coker RJ, Gillies P, editors.** Advancing a New Agenda for AIDS Research. 1997Eds: Health Education Authority, U.K. A collection of edited essays regarding the future directions of AIDS research by leading scientists in the field. 1997. Groundwork Publishing, UK.

**PhD Thesis**

1. **Poznansky MC.** The genetic basis for the common polymorphism of the third component of the human complement system. PhD Thesis. Cambridge University, England. (1990)

**Non Print Materials**

**BBC Television Program: "Behind Closed Doors".** The Future of the AIDS Pandemic (1995) - Commissioned by the BBC and covering the events and speeches made at the international conference organized by Dr Mark Poznansky, Dr Richard Coker and Dr Pamela Gillies, entitled "Advancing a New Agenda for AIDS Research". The program was screened on British television in November 1996 to an estimated audience of 4.1 million viewers.

**Patents: Filed and Pending**

1. 1997: Sodroski J, Haseltine W, Lever A, Gottlinger, H and **Poznansky MC.** Filed by DFCI USSN: 08/162,902 (1997) Filed by DFCI. Vectors containing HIV packaging sequences, packaging defective HIV vectors and uses thereof. U.S. and European/Japan etc. patent issued. Licensed.
2. 1998: Rosenzweig M, Pykett M, Scadden D and **Poznansky MC.** Filed by MGH USSN: 09/574,749 (2000). Lymphoid tissue-specific devices; Cell production from hematopoietic progenitor cells in three-dimensional devices. U.S. and European/Japan etc. patent issued. Licensed.
3. 1999: **Poznansky MC, Scadden DT, Luster AL.** Filed by MGH (USSN 09/546,153) Purposeful movement of migratory cells away from a chemokinetic stimulus. U.S. patent issued. European/Japan etc. patent pending. Licensing agreement pending  
CIP: with F. Vianello: Identification of anti-fugetaxins  
CIP: with M. Toner: novel techniques for testing fugetaxins and anti-fugetaxins  
CIP: with JT Potts: novel identification of fugetaxins
4. 2000: Olszak, IT, **Poznansky MC, E Brown and DT Scadden.** Filed by MGH. Calcium as ionic chemokine acting via the calcium receptor on immune effector cells. U.S. patent pending
5. 2003 **Poznansky MC and Brainard D.** Filed by MGH Methods and products for measuring immune cell activity based on cell migration U.S. provisional patent application filed. Licensing agreement pending
6. 2003 **Poznansky MC and Rustihauser R.** Filed by MGH

- Methods and composition relating to gradient exposed cells  
U.S. provisional patent application filed. Licensing agreement pending
7. 2003 **Poznansky MC and Doughty D. Filed by MGH**  
Methods and composition relating to proteins with repellent activity  
U.S. provisional patent application filed. Licensing agreement pending.
8. 2004 **Poznansky MC and Calum McRae. Filed by MGH**  
Identification of zebrafish SDF-1X and uses thereof  
U.S. provisional patent application pending . Licensing agreement pending.